



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvements to Roads and Drains at
Gupta Layout and Surrounding Area
Roads in Ward No 06 Thanisandra**

**EMB
Detail Measurement**

Job Code : **007-23-000009**

		1	30.00	1.10	0.16	5.28 ✓		
		1	16.20	1.10	0.15	2.67 ✓		
		1	25.40	1.10	0.15	4.19 ✓		
		1	25.60	1.10	0.16	4.51 ✓		
		1	23.40	1.10	0.15	3.86 ✓		
		1	30.60	1.10	0.15	5.05 ✓		
		1	33.20	1.10	0.15	5.48 ✓		
		1	25.00	1.10	0.16	4.40 ✓		
		1	30.00	1.10	0.15	4.95 ✓		
		1	20.00	1.10	0.15	3.30 ✓		
		1	30.00	1.10	0.16	5.28 ✓		
		1	30.00	1.10	0.15	4.95 ✓		
		1	30.00	1.10	0.16	5.28 ✓		
		1	14.60	1.10	0.15	2.41 ✓		
		1	30.00	1.10	0.16	5.28 ✓		
		1	30.00	1.10	0.15	4.95 ✓		
B	Drain Side Wall							
	Saraipalya Main Road L/s	2	20.40	0.15	0.90	5.51 ✓		
		2	18.90	0.15	0.80	4.54 ✓		
		2	30.00	0.15	0.65	5.85 ✓		
		2	16.20	0.15	0.65	3.16 ✓		
		2	25.40	0.15	0.60	4.57 ✓		
		2	25.60	0.15	0.60	4.61 ✓		
		2	23.40	0.15	0.60	4.21 ✓		
		2	30.60	0.15	0.60	5.51 ✓		
		2	33.20	0.15	0.60	5.98 ✓		
		2	25.00	0.15	0.60	4.50 ✓		
		2	30.00	0.15	0.95	8.55 ✓		
		2	20.00	0.15	0.95	5.70 ✓		
		2	30.00	0.15	0.75	6.75 ✓		
		2	30.00	0.15	0.60	5.40 ✓		
		2	30.00	0.15	0.60	5.40 ✓		
		2	14.60	0.15	0.60	2.63 ✓		
		2	30.00	0.15	0.60	5.40 ✓		
		2	30.00	0.15	0.60	5.40 ✓		
C	For Culvert Bottom							
	Indira Iris apartment entry	1	12.20	1.20	0.15	2.20 ✓		
	Indira Iris apartment Exit	1	5.50	1.35	0.15	1.11 ✓		
	1st Cross Road Connecting Saraipalya Main Road	1	4.40	1.50	0.15	0.99 ✓		
	2nd Cross Road Connecting Saraipalya Main Road	1	6.30	1.50	0.15	1.42 ✓		
	3rd Cross Road Connecting Saraipalya Main Road	1	3.10	1.50	0.15	0.70 ✓		
	4th Cross Road Connecting Saraipalya Main Road	1	3.50	1.50	0.15	0.79 ✓		
	5th Cross Road Connecting Saraipalya Main Road	1	2.30	1.50	0.15	0.52 ✓		
	6th Cross Road Connecting Saraipalya Main Road	1	5.20	1.50	0.15	1.17 ✓		
	7th Cross Road Connecting Saraipalya Main Road	1	6.40	1.50	0.15	1.44 ✓		
D	Side Walls							
	Indira Iris apartment entry	2	12.20	0.20	0.65	3.17 ✓		
	Indira Iris apartment Exit	2	5.50	0.25	0.65	1.79 ✓		

180.78

BRUHATH BANGALORE MAHANAGARAPALIKE

YELAHANKA ZONE

EMB Detail Measurement

Name of work: Improvements to Drain and Construction of Culverts Saraipalya Go School Surrounding in ward no 07 Thanisandra,

Work Order No: BBMP/EE/BTP/WO/166/2022-23 Dt: 15.03.2023

JOB NUMBER: 007-23-000009

Estimate Cost: 58.00 lakhs.

Name of Contractor : Sri. J.C Ramachandra

SI No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
1	Earth work Excavation by manual means for drains, canals, waste weir, drsft, approach 'channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical :specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, i excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. (PWD SR 2021-22 Vol -1 Pg No 5 item no 1.4.1)								
		Cum							
	Detail Qty Recorded as per Premeasurement Item No. 1						625.80	190.00	118902.00
2	Providing and laying in position Plain ' Cement Concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well i . compacted using plate vibrators, including 'all lead & lifts, cost of all materials of ; quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (PWD SR 2021-22 Vol -I Pg 15 item no 2.1 .3								
		Cum							
	Detail Qty Recorded as per Premeasurement Item No. 2						88.68	5900.00	523212.00
3	Providing and laying in position Rein forced cement concrete for art Sub structures of building, Irrigation works, Sub structure works of bridges, Drain worlds & other parallel works from 0.50 to 3.50 mtr height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per re levant IS Codes machine mixed with sri per plastic isers, laid in layers, well compacted using need.le vibrators, providing weep holes wliei ever necessary, including all lead & lifts, cost of at I inatei ial of q reality, confirming to the i equii einents of i elevant IS codes, labour, usage charges of machinery and all other appurtenances required to complete the world as per technical specifications. M20 (The cost of steel reinforce intent & FOI'ir work to be paid separately) (PWD SR 2021 -22 Vol -1 Pg 17 ' item no 2.4.2))								
A	For Drain Bottom	Cum							
	Saraipalya Main Road L/s		1	20.40	1.10	0.15	3.37		
			1	18.90	1.10	0.15	3.12		

	1st Cross Road Connecting Saraipalya Main Road									
	2nd Cross Road Connecting Saraipalya Main Road		2	4.40	0.30	0.60	1.58			
	3rd Cross Road Connecting Saraipalya Main Road		2	6.30	0.30	0.60	2.27			
	4th Cross Road Connecting Saraipalya Main Road		2	3.10	0.30	0.60	1.12			
	5th Cross Road Connecting Saraipalya Main Road		2	3.50	0.30	0.60	1.26			
	6th Cross Road Connecting Saraipalya Main Road		2	2.30	0.30	0.60	0.83			
	7th Cross Road Connecting Saraipalya Main Road		2	5.20	0.30	0.60	1.87			
E	Culvert Ramp		2	6.40	0.30	0.60	2.30			
	Indira Iris apartment entry									
	Indira Iris apartment Exit		2	12.20	0.60	0.10	1.46			
	1st Cross Road Connecting Saraipalya Main Road		2	5.50	0.50	0.10	0.55			
	2nd Cross Road Connecting Saraipalya Main Road		2	4.40	1.00	0.10	0.88			
	3rd Cross Road Connecting Saraipalya Main Road		2	6.30	1.15	0.10	1.45			
	4th Cross Road Connecting Saraipalya Main Road		2	3.10	0.70	0.10	0.43			
	5th Cross Road Connecting Saraipalya Main Road		2	3.50	1.00	0.10	0.70			
	6th Cross Road Connecting Saraipalya Main Road		2	2.30	1.00	0.10	0.46			
	7th Cross Road Connecting Saraipalya Main Road		2	5.20	1.00	0.10	1.04			
			2	6.40	0.60	0.10	0.77	18.98		
					Actual Qty		206.24			
					Limited to TQ		206.22	5750.00	1185765.00	

24.11.2023
Assistant Engineer

Assistant Executive Engineer
Batalayanapura Sub Division
24.11.2023

4	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)									
		Tonne								
	Detail Qty Recorded as per Premeasurement Item No. 4 Page No. 4					12.3500	80000.00	988000.00		
5	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. M 20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. as directed by Engineer Incharge of wor(Excluding GST and Area leading Charges) Data Rate									
	Saraipalya Main Road L/s	Nos	1	10.35		10.35				
			1	18.90		18.90				
			1	30.00		30.00				
			1	16.20		16.20				
			1	25.40		25.40				
			1	25.60		25.60				
			1	23.40		23.40				
			1	30.60		30.60				

		1	33.20		33.20		
		1	25.00		25.00		
		1	33.30		33.30		
		1	15.50		15.50		
Missing Kerb Stones		1	5.50		5.50	112.50	
			Total Qty in Mtr		292.95		
			Nos @ 0.45/mtr		651		
			Limited to TQ		650	507.00	329550.00

2-5
ಸಹಾಯಕ ಅಭಿಯಂತರರು
Assistant Engineer
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6	Providing and Fixing pre cast covering Slab 100mm thick made out of CC Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)						
	Saraipalya Main Road L/s	Sqm	1	20.40	0.90	18.36	
			1	18.90	0.90	17.01	
			1	30.00	0.90	27.00	
			1	16.20	0.90	14.58	
			1	25.40	0.90	22.86	
			1	25.60	0.90	23.04	
			1	23.40	0.90	21.06	
			1	30.60	0.90	27.54	
			1	33.20	0.90	29.88	
			1	25.00	0.90	22.50	
			1	30.0	1.20	36.00	
			1	20.0	1.20	24.00	
			1	30.00	0.90	27.00	
			1	30.00	0.90	27.00	
			1	30.00	0.90	27.00	
			1	14.60	0.90	13.14	
			1	30.00	0.90	27.00	
			1	30.00	0.90	27.00	
			Actual Qty		431.97		
			Limited to TQ		424.80	1800.00	764640.00

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7	Providing and Fixing pre cast covering Slab 230mm thick made out of CC Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)						
	Indira Iris apartment entry	Sqm	1	12.20	1.20	14.640	
	Indira Iris apartment Exit		1	5.50	1.20	6.600	
	1st Cross Road Connecting Saraipalya Main Road		1	4.40	1.20	5.280	
	2nd Cross Road Connecting Saraipalya Main Road		1	6.30	1.20	7.560	

3rd Cross Road Connecting Saraipalya Main Road	1	3.10	1.20	3.720		
4th Cross Road Connecting Saraipalya Main Road	1	3.50	1.20	4.200		
5th Cross Road Connecting Saraipalya Main Road	1	2.30	1.20	2.760		
6th Cross Road Connecting Saraipalya Main Road	1	5.20	1.20	6.240	16.92	
			Actual Qty	51.00		
			Limited to TQ	43.20	4500.00	194400.00

12/12/2023
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Assistant Executive Engineer
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8	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)					
		Cum	Qty from item No 01	625.80		
			Lmt to	625.80	81.40	50940.12
9	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)					
		t.Km	Qty from item No 01	625.80		
			Lmt to	625.80	115.50	72279.90
				4227689.00	Total Rs	4227689.00
				760860.00	GST Charges@18%	760984.00
				4987860.00	Grand Total	4988673.00

02.01.2024
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕರು
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Assistant Executive Engineer
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